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ABSTRACT

Guidelines are presented for obtaining educational and social science research documents from several information retrieval, clearinghouse, and document delivery services. The guide is international in scope: services are from all parts of the world, and addresses are given for correspondence from within and outside the United States. Contained in profiles for each service are: (1) subject concentration and indexes in which the document collection is contained; (2) necessary ordering information; (3) addresses; and (4) special features of that service. More than 24 services are profiled; discussed in greatest depth are ERIC facilities. ERIC clearinghouses, publishers of indexes and information analysis products, and collections outside North America are presented. Types of computerized retrieval services listed include those offering a "direct approach," subscription services, tape purchase or hire, and online information retrieval. (SW)

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OBTAINING ORIGINAL PUBLICATIONS IN THE EDUCATIONAL AND RELATED SOCIAL SCIENCES

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F.F. Blackwell
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

1980
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2

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CONTENTS

		Page
INTRODUCTION		1
1	UNIVERSITY MICROFILMS INTERNATIONAL (UMI)	2
2	EDUCATIONAL RESOURCES INFORMATION CENTRE (ERIC)	4
2.1	ERIC Clearing-Houses, *RIE* and *CIJE*	4
2.2	ERIC Information Analysis Products *(IAP)*	8
2.3	ERICTAPES/ERICTOOLS	9
2.4	ERIC Bibliography	10
2.5	ERIC Collections outside North America	10
2.6	ERIC-Ultrafiche Library Collection	24
3	INTERNATIONAL LABOUR OFFICE (ILO)	25
4	INTERNATIONAL BUREAU OF EDUCATION (IBE)	26
4.1	International Education Reporting Service (IERS)	27
5	EUDISED	28
6	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	29
7	COMPUTERIZED RETRIEVAL SOURCES	30
7.1	List of Reference Publications on Education and the Related Social Sciences	31
7.2	*Direct Approach*	32
7.2.1	Linguafranca	33
7.2.2	Sociosearch	33
7.2.3	Institute for Scientific Information, ASCA, Ascatopics	34
7.2.4	Information on Demand	38
7.3	*Subscription*	38
7.4	*Tape Purchase or Hire*	39
7.5	*On-Line Information Retrieval*	39
7.5.1	Some Further Interesting Databases Accessible On-Line	42
7.5.1.1	The Foundation Center	42
7.5.1.2	PsycINFO	43
7.5.1.3	Commonwealth Agricultural Bureaux Abstracts (CAB-Abstracts)	44
7.5.1.4	National Information Center for Educational Media (NICEM)	44
7.5.1.5	Environment Information Center Inc. (EIC)	45
7.5.1.6	American Chemical Society: Chemical Abstracts Service (CAS)	46
7.5.1.7	Congressional Information Service (CIS)	47

		page
8	MISCELLANEA	48
8.1	Document Delivery Services	48
8.2	Some Useful Source Books on Microcopying and Micropublishing	49
8.3	The Clearinghouse on Development Communication (CDC)	51
8.4	Social Research Methodology Documentation Centre (SRM)	53
CURRENT LIST OF BERNARD VAN LEER FOUNDATION PUBLICATIONS		55

INTRODUCTION

The Bernard van Leer Foundation promotes innovation in education as it relates to socially deprived children and young people. The projects supported seek to enable them to benefit as fully as possible from opportunities for educational and social development and thus to fulfil themselves as individuals and make their maximum contribution towards the advancement of society.

The Foundation offers financial and professional support for the development of experimental models which, if they are successful, may be adopted by local or national bodies responsible for educational policy. It is of fundamental importance that experiments be carefully evaluated so that the lessons learnt may be applied as far as possible nationally. Thus the multiplication of project results is a crucial aspect of the Foundation's work.

For this reason the Foundation attaches considerable importance to the international exchange and comparison of experience resulting from projects and to the contribution which it can itself make to this. Through its professional staff, its network of professional contacts, its international seminars, advisory missions and publications and other resources, the Foundation provides specialized information, documentation and technical advice which may contribute towards the optimal realisation of a given project.

The present paper *Obtaining Original Publications in the Educational and Related Social Sciences* has been developed from the text of Appendix II of the latest two bibliographies produced by the Foundation Clearing House: *Bi-lingual learning in multi-racial societies* and *Distance Education.*

Researchers and practitioners in education often have difficulties in obtaining publications needed and not available in libraries within the vicinity of their work, also in finding their way through the wealth of materials published in the field. This is particularly true for those working in the world's developing areas where resources are limited. It is hoped that the present paper, drawn up by the Clearing-House of the Bernard van Leer Foundation, will assist these people in their task.

During the last few years specialized document delivery services have been set up which provide microforms (film and fiche) or photocopies of the required articles, with a turn-around time of just forty-eight hours. An attempt is made here to describe the most relevant sources and services in the educational and related social sciences.

For a list of publications current at the time of publishing this document, see page 55. Further information can be obtained by writing to the Bernard van Leer Foundation, P.O. Box 85905, 2508CP The Hague, Netherlands. Telephone: 070-469238.

1 UNIVERSITY MICROFILMS INTERNATIONAL (UMI)

Since 1938 University Microfilms International have been microfilming most of the dissertations written by doctoral candidates in North America. The number of these originally researched documents has climbed to over 600,000 and is currently increasing at the annual rate of 42,000. Dissertations come from around four hundred institutions in the U.S.A., and also from Canada and other countries.

Most American dissertations can be found by referring to the appropriate edition of the reference journal *Dissertation Abstracts International*, available at most university libraries. Edition 'A' covers the humanities and the social sciences; Edition 'B', the sciences and engineering; and Edition 'C', the European Abstracts. Every dissertation reviewed is identified by an *order number*.

To order any of the listed dissertations, either on 35mm microfilm (microfiche since 1976 also possible) or in hard copy form, you should write to the appropriate address below, *quoting the order number, author's name and the kind of copy wanted.* Failure to write to the correct address may result in the firm not replying to your request.

Customers in North, Central and South America, and the Caribbean should write to:

University Microfilms International
Dissertation copies
300 North Zeeb Road
P.O. Box 1764
Ann Arbor, Michigan 48106, U.S.A.

Customers in all other countries should write to:

University Microfilms International
18 Bedford Row
London WC1R 4EJ, U.K.
Telephone: (01)2429485
Telex: 8811363 EXCEL G

Another large collection, microfilmed since 1941 is *Serials in Microform.* A Comprehensive Catalogue 1979-80 is available from UMI. Over 12,000 titles are featured, covering a vast range of subjects and including many popular, general interest titles concerned with, for example, current affairs, politics, the arts and leisure interests. Whilst thousands of current titles are included, there are also many historical titles that have now ceased publication, dating back as far as 1669 (Mercurius Musicus). Titles also cover nearly all the professional fields with many of the most authoritative and respected titles in those fields. A full subject listing appears at the back of the catalogue, giving the titles available in each of nearly 600 subject areas, from abstracting and indexing services to zoology.

All enquiries regarding pricing and availability should be addressed to:

Serials Promotion Manager
University Microfilms International
18 Bedford Row
London WC1R 4EJ, U.K.
Telephone: (01) 242-9485
Telex: 8811363 EXCEL G

Customers in the Americas should contact:

Serials Bid/Quote Co-ordinator
University Microfilms International
300 North Zeeb Road
Ann Arbor
Michigan 48106, U.S.A.

Based on this type of collection, UMI is becoming one of the larger document delivery services, among which is Article Copy Service - *CIJE*, mentioned below under the section on ERIC.

A computerized information retrieval system named *DATRIX* (Direct Access to Reference Information: A Xerox Service), provides quick and easy access. After some technical alterations within the system its name was changed into DATRIX II.

Datrix II uses your carefully chosen *keywords* in a computer search of the Comprehensive Dissertation Database which contains complete references to more than 600,000 dissertations. Master's theses can also be located through Datrix II. If you order a Datrix II search, within one week you receive a computer printout of up to 150 citations - all tailored to your search profile. Each citation includes complete bibliographic information, reference to the abstract location in Dissertation Abstracts International or Masters Abstracts and the order number for obtaining full text xerographic or microform copies of the dissertations and theses you need. Datrix II is the most comprehensive source of dissertation listings, including those just recently published. It is made even more practical by its low cost-only $15 prepaid for up to 150 references.

A Datrix II order form can be obtained by writing to University Microfilms International or calling the Dissertations Hotline, (800) 521-3042. Complete Datrix II information and ordering instructions will be included with your order form.

2 EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

The Educational Resources Information Center is an American information network consisting of a central staff at the U.S. Office of Education and sixteen Clearing-Houses, each of which focusses on a specific field of education.

2.1 ERIC CLEARING-HOUSES

The ERIC Clearing-Houses are listed below. If you wish additional information concerning ERIC and its function, you should write to:

Educational Resources Information Center
(Central ERIC)
National Institute of Education
Washington D.C. 20208, U.S.A.
Telephone: (202)254-7934

AA SMERC (San Mateo County Educational Resources Center)
333 Main Street
Redwood City, California 94063, U.S.A.
Telephone: (415)364-5600, Ext.4403

CE ADULT, CAREER, AND VOCATIONAL EDUCATION
Ohio State University
Center for Vocational Education
1960 Kenny Road
Columbus, Ohio 43210, U.S.A.
Telephone: (614)486-3655

CG COUNSELING AND PERSONNEL SERVICES
University of Michigan
2108 School of Education Building
Ann Arbor, Michigan 48109, U.S.A.
Telephone: (313)764-9492

CS READING AND COMMUNICATION SKILLS
National Council of Teachers of English
1111 Kenyon Road
Urbana, Illinois 61801, U.S.A.
Telephone: (217)328-3870

EA EDUCATIONAL MANAGEMENT
University of Oregon
Eugene, Oregon 97403, U.S.A.
Telephone: (503)686-5043

EC HANDICAPPED AND GIFTED CHILDREN
Council for Exceptional Children
1920 Association Drive
Reston, Virginia 22091, U.S.A.
Telephone: (703)620-3660

FL LANGUAGES AND LINGUISTICS
Center for Applied Linguistics
1611 North Kent Street
Arlington, Virginia 22209, U.S.A.
Telephone: (703)528-4312

HE HIGHER EDUCATION
George Washington University
One Dupont Circle, N.W., Suite 630
Washington, D.C. 20036, U.S.A.
Telephone: (202)296-2597

IR INFORMATION RESOURCES
Syracuse University
School of Education
130 Huntington Hall
Syracuse, New York 13210, U.S.A.
Telephone: (315)423-3640

JC JUNIOR COLLEGES
University of California at Los Angeles
96 Powell Library Building
Los Angeles, California 90024, U.S.A.
Telephone: (213)825-3931

PS ELEMENTARY AND EARLY CHILDHOOD EDUCATION
University of Illinois
College of Education
Urbana, Illinois 61801, U.S.A.
Telephone: (217)333-1386

RC RURAL EDUCATION AND SMALL SCHOOLS
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003, U.S.A.
Telephone: (505)646-2623

SE SCIENCE, MATHEMATICS,
AND ENVIRONMENTAL EDUCATION
Ohio State University
1200 Chambers Road, 3rd Floor,
Colombus, Ohio 43212, U.S.A.
Telephone: (614)422-6717

SO SOCIAL STUDIES/SOCIAL SCIENCE EDUCATION
Social Science Education Consortium,Inc.
855 Broadway
Boulder, Colorado 80302, U.S.A.
Telephone: (303)492-8434

SP TEACHER EDUCATION
American Association of Colleges for Teacher Education
One Dupont Circle, N.W., Suite 616
Washington, D.C. 20036, U.S.A.
Telephone: (202)293-7280

TM TESTS, MEASUREMENT, AND EVALUATION
Educational Testing Service
Rosedale Road
Princeton, New Jersey 08541, U.S.A.
Telephone: (609)921-9000, Ext. 2176

UD URBAN EDUCATION
Teachers College, Columbia University
Box 40
525 West 120th Street
New York, New York 10027, U.S.A.
Telephone: (212)678-3437

The Clearing-Houses acquire, review, abstract and index documents and prepare bibliographies and interpretative summaries of research. Documents usually enter the ERIC system through one of two ways: They may be sent to the Clearing-House most closely related to their subject matter. Material is expedited if it is directed to the attention of *Acquisitions*. If it is uncertain which Clearing-House is appropriate, materials may be sent to the following address:

ERIC Processing and Reference Facility
Acquisitions Department
4833 Rugby Avenue, Suite 303
Bethesda, Maryland 20014, U.S.A.

The ERIC Facility will forward all submissions to the appropriate ERIC Clearing-House.

All documents received are evaluated by subject experts against the following kinds of quality criteria: contribution to knowledge, significance, relevance, newness, innovativeness, effectiveness of presentation, thoroughness of reporting, relation to current priorities, timeliness, authority of source, intended audience, comprehensiveness.

All accepted documents are announced in the monthly journal *Resources in Education (RIE)* and are disseminated through the ERIC Document Reproduction Service.

Resources in Education can be ordered from:

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C., U.S.A.

Yearly Subscription(12 issues): Foreign $53.40, Domestic $42.70. Semi-annual Indexes (Subject, Author, Institution, Publication Type, Cross-Reference, Yearly Subscription (2 volumes): Foreign $22.50, Domestic $18.00.

Address inquiries about missing issues or other service problems to:

CIB Service Section
U.S. Government Printing Office
Washington, D.C. 20401, U.S.A.
Telephone: (202)275-3050

Depository Libraries should contact:

Director
Library & Statutory Distribution Service (SL)
U.S. Government Printing Office
Washington, D.C. 20401, U.S.A.
Telephone: (703)557-2050

Note that the Clearing-Houses do not provide detailed replies to requests for information on specific topics. For this educators are urged to acquire the monthly journal "Resources in Education."

ERIC Documents are indicated (ERIC ED..).
These documents, unless otherwise specified, *may be read in their entirety on microfiche at any ERIC library collection or ordered in microfiche or paper copy from the ERIC Document Reproduction Service, P.O. Box 190, Arlington, V. 22210, U.S.A. Orders directed to other addresses are usually not filled by ERIC!*

The current periodical literature of education is covered in the monthly issues of *Current Index to Journals in Education (CIJE)*. In addition to the sixteen Clearing-Houses, the San Mateo (California) Educational Resources Center (SMERC) indexes and abstracts sixty education-related periodicals that do not fall within the subject disciplines of any of the Clearing-Houses. Each Clearing-House subscribes to the journals within its scope of interest and prepares resumés of the articles for *CIJE*. The total number of journals covered is approximately 780.

Until March 1979, the *CIJE* was published by Macmillan Information, 866 Third Avenue, New York, N.Y. 10022, U.S.A. Telephone: (212)935-4300. Beginning with the March 1979 issue, it was transferred to another publisher: *The Oryx Press*, 2214 North Central at Encanto Phoenix, Arizona 85004, U.S.A. Contact Ms. Phyllis B. Steckler (602)956-6233. Schedule of prices for 1980 issues: $80.00 U.S. or $85.00 outside the U.S.

Until August 1977, the main problem for users of *CIJE* was that reprints of articles indexed in it were available only through the publishers of the periodicals concerned. Since then, however, for most of those journals (indicated by *Reprint UMI*) an *Article Copy Service - CIJE* has been made available through University Microfilms International, 300 North Zeeb Road, Ann Arbor Michigan 48106, U.S.A. Telephone: (800)521-0600 for customers from North, Central and South America and the Caribbean only. Customers in all other countries should write to University Microfilms International, 18 Bedford Row, London WC1R 4EJ, U.K. Telephone: (01)242-9845

Each article costs US$4.00 ($6.00 for those dated prior to January 1978), and must be prepaid. Additional copies of the same article cost $1.00 each. Deposit accounts (minimum $200) are available. The articles are reproduced to approximately their original size, to a maximum of 8½ x 11 inches. The scheduled turnaround time is twenty-four hours and the price includes postage via first class mail. Your request should include EJ number, author, title of article, name of journal, volume, issue number and date for each article required.

Computerised access to ERIC/*CIJE* is available through Lockheed DIALOGUE and through SDC-ORBIT, as described below.

2.2 ERIC INFORMATION ANALYSIS PRODUCTS (IAP).

The ERIC Clearing-Houses periodically analyse and synthesize the literature in the fields of their responsibility into research reviews, bibliographies, state-of-the-art studies, interpretive studies on topics of high current interest, and many similar documents designed to meet the information needs of ERIC users.

These publications are listed in a periodic publication entitled *ERIC Information Analysis Products (IAP)*. The ninth bibliography in this series has now been published and covers the year 1978. A total of 211 documents and journal articles are listed. Original copies of *IAP*'s may be obtained, for as long as stock last, directly from the individual Clearing-House responsible for them. In addition, each *IAP* is put into the ERIC system and announced in *RIE* or, in a few cases, *CIJE*.

If you would like a *free* copy of this publication, write to:

ERIC Processing and Reference Facility
4833 Rugby Avenue, Suite 303
Bethesda, Maryland 20014, U.S.A.
Attn: IAP Bibliography (1976-1977-1978)

Back issues of IAP-Bibliographies can be found on the following ERIC-Microfiches: ED-029 161 (1968); ED-034 089 (1969); ED-041 598 (1970); ED-054 827 (1971); ED-077 512 (1972); ED-087 411 (1973); ED-126 856 (1974, FY 1975) and ED-168 608 (FY 1976-1977-1978).

A *MINI-FILE COLLECTION* of the most recent *INFORMATION ANALYSIS PRODUCTS* 1975-1977 on *MICROFICHE* can be ordered from the ERIC-Document Reproduction Service, P.O. Box 190, Arlington, Virginia 22210, U.S.A. The total price is about $ 100. The mini-file contains all of the documents available from EDRS in microfiche format ... together with a paper copy of the bibliography that lists documents in accession number order, with ED accessions (from *RIE*). Three indexes are provided: subject, personal author, and institution.

The mini-file covers 574 information analysis products developed by the sixteen ERIC Clearing-Houses. The information is synthesized into research reviews, bibliographies, state-of-the-art studies, interpretive studies on topics of high current interest, and similar documents designed to meet the information needs of users.

Included are typical titles of current interest: recent trends in bilingual education, cheating: an annotated bibliography, women's athletics, teaching local history, assertiveness training, children and television, translation as a career option for foreign language majors, intercultural communication, energy investigation for the classroom, alternative tuition systems, strengthening the small rural school, adult learning: issues and innovation, and alternatives to suspension.

2.3 ERICTAPES/ERICTOOLS

The ERIC data base is available on magnetic tape in a variety of options from Operations Research Incorporated (ORI). These tapes are offered at unusually low cost, under special authorization from the National Institute of Education (DHEW), to encourage the widest possible dissemination.

Files may be kept current via the monthly, quarterly, and annual updates which are available for *RIE* and *CIJE*. The basic files are available in the ERIC Format (IBM 360 OS). These files include the complete resumé (document description, indexing, and abstract or annotation) of each document announced in the respective journal, in accession number order. A variety of peripheral files, including Postings Files (inverted subject and source indexes) and the Thesaurus (controlled indexing vocabulary) are also available on magnetic tape, and almost any segment of the master files is obtainable on special order from the address below.

For organizations without access to a computer, ERICTOOLS provide manual multi-viewpoint access to the ERIC document collection. ERICTOOLS are a series of printed indexes, directories, and cross-reference lists, which have hitherto been available only internally to components of the ERIC network. The *Title Index* provides access by document title. The *Source Directory* provides access to all organizational names in the system, i.e. corporate authors and sponsoring agencies. *Cross-reference lists* lead the inquirer to the accession number (ED number) from: Report Number, Contract Number, and Clearing-House Accession Number.

For additional informtion contact:

ERICTAPES/ERICTOOLS
Operations Research Incorporated
4833 Rugby Avenue, Suite 303
Bethesda, Maryland 20014, U.S.A.
Telephone: (301) 656-9723

2.4 ERIC BIBLIOGRAPHY

Since it began operating in the mid-1960's, ERIC has been the subject of a steady flow of literature. An attempt is made to maintain some degree of bibliographic control over the more substantive materials which have been produced. The result is the ERIC publication *A Bibliography of Publications about the Educational Resources Information Center* (1978). The documents cited - some of which are appropriate for classroom use - are essential to any study of ERIC. Examples of the approaches taken in these materials follow:

- documents of historical interest in ERIC's development
- 'how to' items for new users of the system
- user surveys
- evaluation of ERIC's performance
- reports describing particular computer search programmes of efforts
- ERIC in the context of educational research and development
- reviews of ERIC practices or results
- how to teach ERIC
- ERIC thesaurus developments
- how ERIC relates to a particular subset of the educational community
- ERIC and microforms
- ERIC's current attributes, size, and products

To receive a *free copy* of this bibliography write to:

ERIC Processing and Reference Facility
4833 Rugby Ave., Suite 303
Bethesda, Maryland 20014, U.S.A.
Attention: ERIC Bibliography Project

2.5 ERIC COLLECTIONS OUTSIDE NORTH AMERICA

According to the *Directory of ERIC Microfiche Collections* (September 1978), 714 of these collections are in use; 640 in the U.S.A. and its dependent territories (Guam, Puerto Rico and the Virgin Islands), forty in Canada and eleven in Australia, leaving only twenty-three collections in use in sixteen other countries all over the world.

On-line retrieval processes are rapidly growing in number all over the world and the price of a complete ERIC microfiche collection (covering the period 1966-1979, with a total of around 200,000 microfiche cards representing around 150,000 titles) costs around $20,000. The above-mentioned numbers alone clearly demonstrate the poverty of access to educational information which users outside North America and Australia have - this nothwithstanding

the fact that the sum of US$ 20,000 is no more than the equivalent of about one year's salary of a primary school teacher in the developed countries and maybe two or three in the Third World.

The list which follows (organized alphabetically according to country) is intended to help ERIC microfiche users living in regions other than North America to find the nearest collection which answers their particular information needs. All current subscribers are shown, irrespective of their initial date of subscription, together with past subscribers with a collection covering a minimum of two years.

The information provided includes the address, equipment available, the years covered (in most cases), and the services offered. *Institutions marked with an asterisk* complement their microfiche collection with computer search services. For more precise up-to-date information on these and other collections or a copy of the complete *Directory of ERIC Microfiche Collections*, arranged by geographic location, September 1978, write to:

ERIC Processing and Reference Facility
4833 Rugby Ave., Suite 303
Bethesda, Maryland 20014, U.S.A.

AUSTRALIA

KELVIN GROVE COLLEGE OF TEACHER EDUCATION
Victoria Park Road Library
Kelvin Grove
Brisbane, Queensland 4059
Australia

MACQUARIE UNIVERSITY LIBRARY
North Ryde
New South Wales 2113
Australia

Collection Status: Complete
Equipment : Seven microfiche readers
One reader printer
Services : Hard copy reproduction at$.10 per page

NEW SOUTH WALES DEPARTMENT OF EDUCATION
North Sydney 2060
Australia

MOUNT GRAVATT TEACHERS COLLEGE
Library
Mount Gravatt, Queensland 4122
Australia

Collection Status: Complete from 1974
Equipment : Five microfiche readers
Two reader printers

Services : Hard copy reproduction at $.15 per page

NATIONAL LIBRARY OF AUSTRALIA*
Parkes Place
Canberra, A.C.T. 2600
Australia

Collection Status: Complete from 1966
Equipment : Two microfiche readers
Five reader printers
Services : Hard copy reproduction at $1.00 per page for up to ten pages
Microfiche reproduction at $1.00 per copy

For computerized access contact:

EDUCATION INFORMATION SERVICE
Canberra, A.C.T. 2600
Australia

Telephone: (062) 621111
Telex : AA 62100

MONASH UNIVERSITY LIBRARY
Wellington Road
Clayton, Victoria 3168
Australia

Collection Status: Complete from 1966
Equipment : Five microfiche readers
One reader printer
Services : Hard copy reproduction at $.15 per page
Microfiche reproduction at $.20 per copy

NORTH BRISBANE COLLEGE OF ADVANCED EDUCATION
Kedron
Queensland 4031
Australia

Collection Status: Complete from 1974
Equipment : Eleven microfiche readers
Two reader printers
Services : Hard copy reproduction at $.05 per page

UNIVERSITY OF NEW ENGLAND
Dixson Library
Armidale 2351
New South Wales
Australia

Collection Status: Complete from 1972

Equipment : Three microfiche readers
One reader printer
Services : Hard copy reproduction at $.10 per page

UNIVERSITY OF QUEENSLAND LIBRARY
St. Lucia 4067
Queensland
Australia

Collection Status: Complete from 1966
Equipment : Seven microfiche readers
Three reader printers
Services : Hard copy reproduction at $.20 per page

WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY*
T.L. Robertson Library
Haymand Road
South Bentley
Western Australia 6102

For computerized access contact:

Bryan Kelman

Collection status: Complete from 1966
Equipment : Five microfiche readers
One reader printer
Services : Hard copy reproduction at $.10 per page
Microfiche reproduction at $.25 per copy

MELBOURNE STATE COLLEGE
Education Resource Centre
757 Swanson Street
Carlton, Victoria 3053
Australia

Collection Status: Complete
Equipment : Six microfiche readers
One reader printer
Services: : Hard copy reproduction at $.10 per page
Microfiche reproduction at $.20 per copy

BELGIUM

For computerized access to ERIC and CIJE:

THE ROYAL LIBRARY
Keizerslaan 4
1000 Brussels
Belgium
Telephone: (02)5136180
Contact: G. Vanautryve

UNIVERSITY OF GHENT
Centrale Bibliotheek (Central Library)
Rozier 9
9000 Ghent
Belgium
Telephone: (091)257571
Contact: Mrs. M. Lagasse

UNIVERSITY OF ANTWERP
Bibliotheek UIA (Library UIA)
Universiteitsplein 1 BP 13
2610 Wilrijk-Antwerp
Belgium
Telephone: (031)282528
Contact: R. Kegeleers

CATHOLIC UNIVERSITY OF LOUVAIN (Dutch language)
Documentation Service,
Faculty of Educational Sciences
Vesaliusstraat 2
B-3000 Louvain
Belgium
Telephone: (016)233941
Contact: N. Desmet

CATHOLIC UNIVERSITY OF LOUVAIN (French language)
Bibliothèque des Sciences Exactes (Library of the Sciences)
Place des Sciences 3
1348 Louvain-la-Neuve
Belgium
Telephone: (010)418181 (ext.2183)
Contact: L. van Simaeys

Bibliothèque de la Faculté de Médicine (Library of the Faculty of Medicine)
Av. Hippocrate 50
1200 Brussels
Belgium
Telephone: (02)7710406 (ext.5054)
Contact: F. Lobet

UNIVERSITY OF LIEGE
U.D. Chimie (Chemical Department)
Sart Tilman
4000 Liège
Belgium
Telephone: (041)561539
Contact: S. Jerome

FREE UNIVERSITY OF BRUSSELS (French/Dutch)
Central Library
Pleinlaan 2
1050 Brussels
Belgium
Telephone: (02)6401260
Contact: Dr. C. Segebarth,Scientific Associate

Belgium has no ERIC microfiche collection so users of the on-line services have to order hard copy or microfiche from ERIC of from one of the other collections listed.

DENMARK

NATIONAL UNIVERSITY LIBRARY
Heredia
Costa Rica

Collection Status: Complete from 1965
Equipment : Five microfiche readers
One reader printer
Services : Hard copy reproduction at $.25 per copy

DENMARK

NATIONAL UNIVERSITY LIBRARY*
101 Lerso Parkalle
DK-2100 Copenhagen 0
Denmark

Collection Status: Complete
Equipment : Two microfiche readers
One reader printer
Services : Hard copy reproduction at One Krone per page
Microfiche reproduction at no cost

For computerized access contact:

Christian Glenstrup

FRANCE

For computerized access to all the Lockheed files, including ERIC-RIE and *CIJE* contact :

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
Centre de Documentation Sciences Humaines
54 Blvd. Raspail
75006 Paris
France

Te'ephone: (1) 5441263

France has no ERIC microfiche collection so users of the on-line services have to order hard copy or microfiche from ERIC or from one of the other collections listed.

GERMANY, FED. REP. OF,

PAEDAGOGISCHES ZENTRUM
Abteilung Dokumentation und Bibliothek
Uhlandstrasse 97
D-1000 Berlin 31
Fed. Rep. of Germany .

Collection Status: Complete
Equipment : Ten microfiche readers
Two reader printers
Services : Microfiche reproduction available

AUGUST BAADER BUCHHANDLUNG
44 Munster
Drubbel 19
Fed. Rep. of Germany

U.S.ARMY DEPENDENT SCHOOLS EUROPEAN AREA
Professional Library Directorate
Karlsruhe
Fed. Rep. of Germany

Collection Status: Complete
Equipment : Two microfiche readers
Four reader printers
Services : Hard copy reproduction available
Microfiche reproduction available

UNIVERSITÄT BIELEFELD
Bibliothek
4800 Bielefeld
Universitätsstrasse
Fed. Rep. of Germany

GUAM

UNIVERSITY OF GUAM
R.F.K. Memorial Library
Agana
Guam 96910

Collection Status: Complete
Equipment : Five microfiche readers
One reader printer
Services : Hard copy reproduction at $.10 per page

HONG KONG

CHINESE UNIVERSITY OF HONG KONG
Library
Shatin, New Territories
Hong Kong

IRAN

NATIONAL IRANIAN RADIO AND TELEVISION
Teheran
Iran

Collection Status: Complete
Equipment : Four microfiche readers
One reader printer
Services : Hard copy reproduction available

JAMAICA

MINISTRY OF EDUCATION, GOVERNMENT OF JAMAICA
Educational Information Analysis Centre
Caenwood Road
Kingston 5
Jamaica

Collection Status: Complete from 1972
Equipment : Four microfiche readers
Two reader printers
Services : Hard copy reproduction available
Microfiche reproduction available

JAPAN

KI NOKUNI YA BOOKSTORE COMPANY LTD.
17-7 Shinjuku 3-Chome
Shinjuku-ku
Tokyo 160-91
Japan

UNIVERSITY OF TSUKUBA
Computer Center
Sakura-mura
Niihari-gun
Ibaraki 300-31
Japan

Collection Status: Complete from 1966
Equipment : Three microfiche readers
One reader printer

U.S. ASIATIC COMPANY LTD.
Tsut Sumi Building
13-12 Shimbashi 1-Chome
Minato-Ku
Tokyo 105
Japan

MEXICO

ARMO NATIONAL SERVICE *
Center for Information and Documentation
Calzada Atzcapotzalco-La Villa No. 209
Mexico 16, D.F.

Collection Status: Complete from 1971
Equipment : Three microfiche readers
One reader printer
Services : Hard copy reproduction available

For computerized access contact:

Consejo Nacional de Ciencia y Technologia (CONACYT)
Barranca del Muerto 210
3rd Floor
Mexico 20, D.F.

Telephone: (905) 524-5500/ 524-8126
Telex : 017-74 521
Contact : Carmen Castaneda

NETHERLANDS

BERNARD VAN LEER FOUNDATION
Koninginnegracht 52
P.O. Box 85905
CP 2508 The Hague
Netherlands

Collection Status: Complete from 1966
Equipment : Six microfiche readers
Three reader printers
Services : Hard copy reproduction available) Limited to projects
Microfiche reproduction available) of the BvLF-Network

MINISTRY OF EDUCATION AND SCIENCES*
Library
Nieuwe Uitleg 1
2514 BP The Hague
Netherlands

Collection Status: Complete from 1975
Equipment : One reader printer
Services : Through MIKROFF B.V.
Esdoornstraat 17
Driebruggen
Post Woerden, 3465 ZH
P.O. Box 77
Netherlands

(Prices on request)
(Computer-services limited to Min. of E.and Sc. Officials)

Computerized access on-line through Lockheed or SDC files (including ERIC-RIE and *CIJE*) is possible at several institutions:

PUDOC : CENTRE FOR RURAL DOCUMENTATION
University of Wageningen
P.O. Box 4
Telephone: (08370)19146

SWIDOC : CENTRE FOR INFORMATION AND DOCUMENTATION IN THE SOCIAL SCIENCES
Royal Academy of Sciences
Kleine Gartmanplantsoen 10
Amsterdam
Netherlands
Telephone: (020)225061

UBRU : University Library (Utrecht University)
Department AGOL
Wittevrouwenstraat 9-11
Utrecht
Netherlands

Telephone: (030)333116
Contact : D.Th. Thoomes

- UNIVERSITY LIBRARY GRONINGEN
P.O. Box 72
9700 AB Groningen
Netherlands

Telephone: (050)116380

For further information contact:

THE DUTCH ASSOCIATION OF USERS OF ON-LINE INFORMATION SYSTEMS
CID-TNO Centre for Scientific and Technical Information
and Documentation
P.O. Box 36
Delft
Netherlands

Telephone: (015)569330

NEW ZEALAND

NATIONAL LIBRARY OF NEW ZEALAND
Wellington
New Zealand

NORWAY

NORWEGIAN ROYAL UNIVERSITY
Education Library
Observatoriegt 1
Oslo 2
Norway

Collection Status: Complete from 1966
Equipment : Three microfiche readers
One reader printer
Services : Hard copy reproduction at no cost
Microfiche reproduction at no cost to educational institutions

PHILIPPINES

ATENEO DE MANILA UNIVERSITY*
Rizal Library
Loyola Heights
Quezon City
Philippines

Collection Status: Complete
Equipment : Ten microfiche readers
Two reader printers
Services : Hard copy reproduction at $.20 per page
Microfiche reproduction at $.50 or $1.25 per copy

PUERTO RICO

CATHOLIC UNIVERSITY OF PUERTO RICO
Encarnacion Valdes Library
Ponce
Puerto Rico 00731

Collection Status: 1966-1974
Equipment : Two microfiche readers

INTER-AMERICAN UNIVERSITY OF PUERTO RICO
San Juan Campus
Library
405 Ponce de Leon Avenue
Hato Rey
Puerto Rico 00919

Collection Status: Complete from 1966
Equipment : Eight microfiche readers
Two reader printers
Services : Microfiche reproduction at $.10 per copy

UNIVERSITY OF PUERTO RICO
Jose M. Lazaro Library
Rio Piedras
Puerto Rico 00931

Collection Status: Complete
Equipment : Two microfiche readers
Two reader printers
Services : Microfiche reproduction at $.15 per copy

UNIVERSITY OF THE SACRED HEART
Loiza Station
Santurce
Puerto Rico 00914

Collection Status: Complete from 1977
Equipment : Three microfiche readers
One reader printer
Services : Hard copy reproduction at $.10 per page

SAUDI ARABIA

MINISTRY OF EDUCATION
Data Center
Riyadh
Saudi Arabia

Collection Status: Complete from 1966
Equipment : Three microfiche readers
One reader printer
Services : No indication

UNIVERSITY OF PETROLEUM AND MINERALS LIBRARY
Dhahran
Saudi Arabia

Collection Status: Complete from 1966
Equipment : Fifteen microfiche readers
Four reader printers
Services : Hard copy reproduction at no cost
Microfiche reproduction at no cost

SWEDEN

NATIONAL LIBRARY FOR PSYCHOLOGY AND EDUCATION
Box 23099
S-10435 Stockholm
Sweden

Collection Status: Complete
Equipment : Three microfiche readers
Two reader printers
Services : Hard copy reproduction available
Microfiche reproduction available

Computerized access is also available through the (very experienced):

ROYAL INSTITUTE OF TECHNOLOGY *
Library, Information and Documentation Center
S-10044 Stockholm
Sweden

Telephone: (08) 7878950
Telex : 10389KTHB
Contact : Malin Edström

SWITZERLAND

UNESCO - INTERNATIONAL BUREAU OF EDUCATION
Documentation Centre
Palais Wilson
1211 Geneva 14
Switzerland

Collection Status: Complete
Equipment : Four microfiche readers
One reader printer
Services : Hard copy reproduction available
Microfiche reproduction available

For computerized access (Lockheed files, SDC files and SDS, including ERIC-RIE and *CIJE* contact:

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE
(Swiss Federal Institute of Technology)
Bibliothèque Centrale
1015 Lausanne
Switzerland

Telephone: (021) 471111
Telex : 24478

UNITED KINGDOM

BRITISH LIBRARY
Lending Division
Boston Spa, Wetherby
West Yorkshire LS23 7BQ
U.K.

Collection Status: Complete
Equipment : Fifteen microfiche readers
Two reader printers
Two step-and-repeat enlarger printers
Services : Hard copy reproduction available
Microfiche reproduction available

For computerized access contact:

ASLIB ON-LINE INFORMATION CENTRE
3 Belgrave Square
London SW1X 8PL
United Kingdom
Head of Centre: L.J. Anthony

VIRGIN ISLANDS

COLLEGE OF THE VIRGIN ISLANDS
St. Croix Campus Library
St. Croix
U.S. Virgin Islands 00850

Collection Status: Complete from 1973
Equipment : One microfiche reader
Services : No indication

COLLEGE OF THE VIRGIN ISLANDS
Library
St. Thomas
U.S. Virgin Islands 00801

Collection Status: Complete from 1966
Equipment : Three microfiche readers
One reader printer
Services : Hard copy reproduction at $.10 per page

The above information was gathered by a questionnaire which was included in the last edition of the *Directory of ERIC Microfiche Collections* before 1977. Although every effort was made to provide accurate entries, it should be borne in mind that frequent changes are made in service information (particularly access hours and prices). The most recent information should therefore be obtained locally.

2.6 ERIC - ULTRAFICHE LIBRARY COLLECTION

The Library of American Civilization is the first in a series of microfiche collections developed around a central theme. The collection consists of 12,000 microbooks on ultrafiche. This study aimed to produce quantitive data leading to an evaluation of this collection and guidelines for evaluating collections of this type. Random entries from the shelf list, author catalogue, title catalogue, subject catalogue, biblioguide index, fiche catalogues, and catalogue cards of the collection were examined. The study concluded that these bibliographic control devices are of good quality as a whole; however, a greater percentage of errors exists in cataloguing supplied by the publisher as compared with the *Catalog of Books Represented by Library of Congress Printed Cards, issued to July 31, 1942.* (Source: *MF Newsletter*, Microfiche Foundation, Delft, the Netherlands, No.37 (Jan)1979,p.34)

3 INTERNATIONAL LABOUR OFFICE (ILO)

The complete International Labour Documentation file from 1965 onwards is now available for on-line searching through System Development Corporation. The data base is called LABORDOC and it is updated monthly. For further details apply to System Development Corporation, 2500 Colorado Avenue, Santa Monica, CA 90406, U.S.A., or Lancaster Place, London WC2E 7EN, U.K.

A cumulative edition, including all the entries from 1965-1977, approximately 72,000, has been produced on COM-microfiche. This contains a detailed subject index as well as personal author, corporate author and conference listings. The equivalent of 3,000,000 lines of text are available on some 136 COM-fiches, at 48x reduction. Price 550 Swiss Francs. For further details apply to ILO Publications, International Labour Office, 1211 Geneva 22, Switzerland.

Further collections of the International Labour Office, often strongly related to vocational education, manpower planning, distance-education and educational planning - e.g., the Research Working Papers of the World Employment Programme - are available on microfiche. For the moment, your attention is drawn to the following editions:

Official Bulletin, 1920 to 1976 (Vols. 1 to LIX). About 30,000 pages. The collection in microfiche form A6 (105 mm x 148 mm); 20x reduction; at the price of 1,340 Sw. frs. Further volumes in preparation.
The *Official Bulletin* is the channel through which the International Labour Office supplies official information on matters connected with the life and work of the International Labour Organisation. The material published in the *Official Bulletin* is restricted to such documents and information as are essential to a complete and permanent official record of the history of the organisation and its work since 1920.

Title list of ILO publications and documents, 1970 - 1977.
4 COM microfiches A6 (105 mm x 148 mm); each 400 frames; 48x reduction; at the price of 25 Sw. frs.
An indispensable reference tool for all librarians and researchers interrested in the field of industrial relations, management, manpower planning, vocational training and other problems of economics and social development. It includes sales publications, mimeographed documents and journal articles. Gives bibliographical information only.

Register of periodicals in the ILO Library.
The volume covers 4 COM-microfiches A6 (105 mm x 148 mm); each 400 frames; 48x reduction; at the price of 25 Sw. frs.
The register contains a listing by title and by country of the some 8,000 periodicals and annual publications currently received by the library of the International Labour Office. In addition, a further 3,000 titles of items no longer received or published are included.

Year Book of Labour Statistics, 1935-36 to 1977.
The collection of thirty-seven volumes in microfiche form A6 (105 mm x 148 mm); 20x reduction; at the price of 1,070 Sw. frs.

Also available separately: 1935/36 to 1964 at 45 Sw. frs. per volume; 1965 to 1977 at 50 Sw. frs. per volume. Further volumes in preparation.

The ILO *Year Book of Labour Statistics* is a unique reference work which brings together in statistical form world-wide data on labour and conditions of work. It provides the background information essential to a proper understanding of trends and developments in labour and related matters influencing all aspects of modern society. The information given in successive editions from the first issue (1934/36) constitutes a historical review of the changes and trends in the labour situation through the many crises which have shaken the world since the First World War. The main topics covered are: employment; unemployment; hours of work; household budgets; wages; labour productivity; consumer prices; industrial accidents; industrial disputes. In preparation on Microfiche.

WEP Research Working Papers.
These are preliminary research studies circulated to stimulate discussion and critical comment. As such, they are reproduced in limited numbers and given restricted distribution to specialists in the various subject matters covered under the World Employment Programme (income distribution, technology, migration, population, etc.)
This unique collection of some 120 volumes will shortly be available for the first time in microfiche form A6 (105 mm x 148 mm).
Standing orders for forthcoming volumes are accepted. For further details, apply directly to ILO Publications, International Labour Office, CH-1211 Geneva 22, Switzerland.

4 INTERNATIONAL BUREAU OF EDUCATION

The International Bureau of Education (IBE) has to date developed contact with a considerable number of national and regional centres around the world which are concerned with documentation, information and research in education. The record of these centres is issued in the biennial *IBEDATA Series Directory: Educational Documentation and Information Services.*

To handle the volume of data necessary to meet the varied demands of educators, documentation and research institutions, and others, it has been necessary for the IBE to adopt new techniques. In processing materials for dissemination, the IBE has sought the collaboration of the library and computer services of the International Labour Office (see also section 3, page 25) and the International Computer Centre.
The original documents have all been reproduced on microfiche in the *SIRE Series (Series of International Reports on Education).* Readers interested in obtaining any or all of the items can order them from the appropriate agent shown below.

AUSTRALIA, CANADA, JAPAN, NEW ZEALAND U.K., AND U.S.A.	:	UNIFO Publishers Limited P.O. Box 89 White Plains, N.Y. 10605 U.S.A.
AFRICA, ARAB STATES, CONTINENTAL EUROPE	:	Microfilm Services 10 Cour des Bastions 1205 Geneva Switzerland

Enquiries from other countries should be addressed to either of the agents or direct to the International Bureau of Education, Palais Wilson, CH-1211 Geneva 14, Switzerland.

4.1 INTERNATIONAL EDUCATION REPORTING SERVICE (IERS)

In parallel with the above network, the IBE has developed a new, relevant information service entitled the *International Education Reporting Service (IERS)*. This fosters the sharing of information and researchers working in, or concerned with, the Third World.

A quarterly, computer-generated, current annotated bibliography is obtainable free of charge from the IBE. From time to time, special series are issued which are concerned with *life-long education* (published in association with the International Centre for Advanced Technical and Vocational Training, Turin), and *Literacy* (published in association with the International Institute for Adult Literacy Methods, Teheran). These are also *free of charge*.
For the reader's convenience, the addresses of the organisations belonging to the IERS network are given below, with alongside the type of information they can provide.

INTERNATIONAL BUREAU OF EDUCATION Palais Wilson CH-1211 Geneva 14 Switzerland	Approach for information on publications whose reference numbers are prefixed by *IERS-INNO*...and *IBE-SIRE*
INTERNATIONAL CENTRE FOR ADVANCED TECHNICAL AND VOCATIONAL TRAINING Via Ventimiglia 201 101270 Torino Italy	Approach for information on publications whose reference numbers are prefixed by *IERS-TUR*...
INTERNATIONAL INSTITUTE FOR ADULT LITERACY METHODS P.O. Box 1555 Teheran Iran	Approach for information on publications whose reference numbers are prefixed by *IERS-IIL*...

UNESCO INSTITUTE FOR EDUCATION
Feldbrunnenstrasse 2000
Hamburg 13
Fed. Republic of Germany

Approach for information on publications whose reference numbers are prefixed by *IERS-UIE...*

In addition to these general services to information network participants, the IBE provides individualised services to member states, to institutions and individuals. In 1977, for example, the Documentation Centre and IERS alone responded to 1,520 enquiries (by telephone, letter of personal visit). In 141 cases, a full bibliographical service was provided; in sixty-one others, referral to appropriate information sources; and to the remaining 1,318, other types of information.

5. EUDISED

The European Documentation and Information System for Education (EUDISED) mainly covers Austria, Denmark, France, Federal Republic of Germany, Netherlands, Norway, Spain, Sweden, Switzerland and the U.K..

Work on the EUDISED project started in 1968. In 1969 and 1971, feasibility studies were carried out. In 1973, *EUDISED Standards, Format, Character Representation* appeared in English and later in French and German. In 1974 the Multilingual EUDISED Thesaurus was published in English, French, and German, and in 1976 in Spanish, (Mouton Publisher, Paris and The Hague). In 1977 the Dutch version was published, (The Hague, Staatsuitgeverij/Council of Europe).

Since 1975, the system has been tested in three fields. The results were published in experimental bulletins: the 1975 *EUDISED R & D Bulletin,* for educational research and development; the 1976 *EUDISED AV Bulletin, for* audio-visual teaching aids; and the 1976 *EUDISED EP bulletin,* for educational periodicals.

Following the *EUDISED R & D* experiment, national agencies in the member states of the Council for Cultural Co-operation decided to continue their co-operation. They select in their respective countries, on-going and completed projects of educational research and development which are thought to be of general interest and they describe them, in co-operation with the researchers, by completing a EUDISED R & D Worksheet for each project. The worksheets are edited by the Documentation Centre for Education in Europe and are processed by INSPEC/PPL in London. The resulting film pages are used for offset-printing of the bulletins.

From the fifth issue onward (autumn 1978), the Bulletins are distributed on a subscription basis by the NFER Publishing Co. Ltd., Darville House, 2 Oxford Road East, GB-Windsor SL4 1DF, U.K.. All other enquiries should be addressed

to the Head of the Documentation Centre for Education in Europe, Council of Europe, F-67006 Strasbourg Cedex, France.

6. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

The Centre de Documentation Sciences Humaines du Centre National de la Recherche Scientifique, (CDSH/CNRS) 54, bd Raspail, 75270 Paris Cedex 06, France, Telephone: 5443849 is the social sciences branch of the National French Scientific documentation and retrieval centre, which among other things publishes about fifty sections of the reference journal *Bulletin Signalitique* (see Pages 4-6 in Ullrich's *International Periodicals Directory*, 19th Ed. 1979-1980. R.R. Bowker Company, New York and London, 1979).

CNRS covers approximately 9,000 journals, congress and conference proceedings, theses, reports and patents. (The French Patent Office supplies abstracts of all patent applications in France).
Various research centres in France collaborate with the CNRS in the scanning of literature, together with some centres in Germany, Poland, Rumania and Italy. Approximately 500,000 references are added annually.

The PASCAL system was established in 1971 by the Documentation Centre of the CNRS in order to facilitate the handling of input material and to automate production of the fifty sections and indexes of the *Bulletin Signalétique*. Magnetic tapes of the data base, SDI and retrospective searches, are available on a subscription basis. A number of national and international organisations cooperate in selecting and processing information for various sections of *Bulletin Signalétique*, e.g. the Bureau de Recherches Géologiques et Minières (BRGM) collaborates in the production of the Earth Sciences Section. The CNRS also operates exchanges between networks both at a national and an international level.

The *Bulletin Signalétique* is published in hard copy as well as on microfiche, at the same price. An information newsletter regarding the PASCAL system is published free of charge and is available from:

CNRS - INFORMASCIENCE
Journal de Pascal et Pascaline
26 rue Boyer
75971 PARIS CEDEX 20
France

On-line access is available through Lockheed-Dialogne and in France through:

Questel-Télésystèmes
Commercial Service
40 rue du Cherche-Midi
75006 PARIS
France.
Telephone: 544 38 13

Document delivery is possible through their Service de Recherche des Documents et Diffusion des Reproductions; orders for documents are immediately channelled to the Reprographic Laboratory with the original document for reproducing a copy of the articles required. Three different types of copies are offered:

1. Paper photocopy 21 x 29,7 (ISO A4).

2. 35 mm microfilm strips of six images, of which five are useful.

3. Microfiche (105 x 148 mm ISO A6).

Together with the information published by the *Canadian Education Index/ Répertoire canadian sur l'éducation*, published by the CANADIAN EDUCATION ASSOCIATION/ASSOCIATION CANADIENNE D'EDUCATION, 252 Bloor Street West, S850, Toronto, Ontario M5S 1V5, Canada, the French-language educational materials are rather well covered. For microfiche of documents in French, whether listed or not in the CEI, contact ACELF, 980 Chemin St.-Louis, Sillery, Qué. G1S 1C7, Canada. Telephone: (418)681 4661.

Unpublished French language monographs are available from CADRE at the cost of the photocopy. Please contact:

M. Jean-Luc Roy,
Centre d'animation, de developpement
et de recherche en éducation,
1940 est, Henri-Bourassa,
Montréal 360, Qué, Canada

7. COMPUTERIZED RETRIEVAL SOURCES

The Foundation's Clearing House receives an increasing number of enquiries about computerized information processes in education and the related social sciences. In an attempt to answer some of these questions, a limited overview is given below which outlines the four main methods of access to existing compterized information data bases, and includes a relevant reference list.

7.1 LIST OF REFERENCE PUBLICATIONS ON EDUCATION AND THE RELATED SOCIAL SCIENCES.

There are several computerized data bases available in the field of education and the related social sciences. Users interested in making use of computerized data bases will find further information in the following publications.

Foundation for educational research in the Netherlands, (under the auspices of the Secretary General of the Council of Europe), *Directory of Educational Research Information Sources.* The Hague, Foundation for Educational Research in the Netherlands, 1979. Pp.181. (ISBN 90 6472 001 0).

Hall, J.L., *On-Line Information Retrieval Sourcebook.* London: Aslib.1977 Pp. xii +267 (ISBN 085142 106 7).

Hall, J.L., *On-Line Information Retrieval, 1965-1976.* Aslib Bibliography No.8 (Contains over 900 references.) London: Aslib.March 1977. Pp.125 (ISBN 0 85142 094 X).

Hall, J.L., *On-Line bibliographic data bases; 1979 Directory.* 1. Information storage and retrieval systems - Directories. 2. On-line bibliographic searching Directories. London: ASLIB, 1979.Pp.94. (ISBN 0-85142-115-6).

IBE Current Bibliographical Sources in Education. Special issue of *Educational Documentation and Information,* 51, 1977, No. 203. International Bureau of Education, Palais Wilson, CH-1211 Geneva, Switzerland.

Kruzas, A.T. (Ed.), *Encyclopedia of Information Systems and Services.* Detroit, Michigan 48226, Book Tower, Gale Research Co., Third edition, 1978. Pp. 1030.

The journal *New Information Systems and Services* is the supplement to the *Encyclopedia of Information Systems and Services (EISS),* and is issued periodically between editions of the basic work. It is designed to provide current and continuing coverage of important developments in all areas of the information community.

Lancaster, F.W., *Information retrieval systems; characteristics, testing and evaluation;* 2nd ed. New York: Wiley-Interscience, 1979.Pp.381 (ISBN) 0-471-04673-6).

London University Central Information Services (LUCIS), *Guide to Computer-based Information Services.* London: LUCIS, 1977. Second edition. (A third edition is scheduled for early 1980).

Pugh, E., M.L. Howder, W.T. Brandhorst, and E. Weber, *Directory of ERIC Search Services,* November 1978 (Issue No.3). The National Institute of Education, US. DHEW, Washington D.C., 20208, USA. (Prepared by: Directory of ERIC Search Services, ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014, USA.). Free on request.

Tomberg, A. (Ed.), *Eusidic database guide 1980;* Oxford; OX13 6EF, U.K.: Learned Information, Besselsleigh Road, Abingdon, 1979.P.164 (ISBN 0 904993 20 2).

Williams, Martha E.,et.al., *A Directory and Data Sourcebook; Computer-Readable Data Bases,* Washington D.C.: American Society for Information Science (ASIS), 1979. Pp. 1400. (ISBN 0-914236-45-8). Order from: Knowledge Industry Publications, Inc, 2 Corporate Park Drive, White Plains, New York 10604, U.S.A.

Woodbury, M., *A Cuide to Sources of Educational Information.* Washington, D.C.: Information Resources Press, 1976. Pp. 371.

The two journals *DATABASE Magazine* and *ONLINE Magazine* provide current updating-information in the field of computerized retrieval. They can be ordered from: Online, Inc., Dept. OL, 11 Tannery Lane, Weston, CT., 06883, U.K. Subscribers in the United Kingdom, Ireland, Federal Republic of Germany and Japan should send orders direct to the exclusive sales agents. In the U.K., Ireland, Federal Republic of Germany: Thompson, Henry Ltd., London Road, Sunningdale, Berks, SL5 OEP, England. Telephone: ASCOT (0990) 24615. In Japan: Fuji Corp., Shibuya Central Bldg., 3-14 Udagawacho, Shibuyaku, Tokyo, Japan. Attention H. Kawarasaki. Telephone: 460-0984.

7.2 DIRECT APPROACH

Search questions can be put direct onto the desks of service personnel of the institution which administers the data collection. This can be done by going along to the offices of the institution concerned, by telephoning or telexing, or by mailing the request, often using a special request form. It is important to state clearly the number of references expected and the sum of money which is available for the particular search.

The advantage of this method is that it can be done from almost anywhere in the world, independent of the geographical distance or level of development of a particular country. It is not, however, always the most efficient method.

Unless the user is very well acquainted with the organization running the data base, he will receive information which depends on the interpretation which the handling officer gives to the search question, and the search strategy which the officer employs. Too often, the resulting answers contain a lot of 'noise'.

The opportunity of using retrieval systems such as DATRIX (University Microfilms International), ERIC, and "PASCAL" have already been mentioned earlier.

7.2.1 *LINGUAFRANCA*

Sociological Abstracts started its retrieval services with a linguistic system entitled *linguafranca*. A division of *Sociological Abstracts, Inc.*, P.O. Box 22206, San Diego, Calif. 92122, U.S.A. Linguafranca offers linguists, educators, researchers, therapists, and other language specialists the opportunity to consult with a staff of information professionals who will answer research questions with fast, comprehensive searches of the *Language and Language Behaviour Abstracts (LLBA)* and related data bases. They offer machine and manual searches; document delivery, through their Reproduction Service; and reprints of pre-1973 *LLBA* abstracts which are unavailable from any other on-line retrieval system.

As producer of the *LLBA* data bases, linguafranca is in a unique position to design a precise search strategy that is most responsive to specific needs. Because of the interdisciplinary nature of linguistics, linguafranca offers the option of cross-data base searches. Access is given to *Sociological Abstracts*, ERIC, Social SciSearch, *Psychological Abstracts*, *Exceptional Child Education Abstracts*, and *Comprehensive Dissertation Abstracts*. Cost estimates are prepared in advance without obligation.

Searches can be obtained on subscription basis or on a per-search charge. The costs of one-term searches within the *LLBA* data base range from US$20 (plus $.15 per citation for off-line prints) to US$500 for complex searches across many data bases.

7.2.2 *SOCIOSEARCH*

In 1977 *Sociological Abstracts* introduced also the so-called *Sociosearch System*, which was based on the experiences of linguafranca. Sociosearch offers scholars, researchers, administrators, decision-makers, and other professionals the opportunity to consult with a staff of sociologists, information specialists, and librarians who will research questions with fast, comprehensive searches of the *Sociological Abstracts* and related data bases. Both manual and machine searches, document delivery through their reproduction service, and reprints of pre-1973 abstracts from the *Sociological Abstracts* data base are offered that are unavailable through any other on-line retrieval system.

In view of the interdisciplinary nature of most research problems, Sociosearch also offers the option of cross-data base searches in the humanities and social sciences. In addition to the *Sociological Abstracts* data base, they also access ERIC, *Psychological Abstracts*, National Technical Information Service (NTIS), Social Scisearch, *LLBA*, *Historical Abstracts*, *Foundation Grants*, and *Abstracts of Instructional and Research Materials in Vocational and Technical Education (AIM/ARM)* through the DIALOG System.

Cost estimates are prepared in advance without obligation. Searches can be secured on a subscription basis or on a per-search charge. The cost of one-term searches within the *Sociological Abstracts* data base range from US$20 (plus $.15 for off-line prints) to US$500 for complex searches across many data bases.

Searches are available from:

Sociosearch
A Division of *Sociological Abstracts*, Inc.
P.O. Box 22206
San Diego, Calif. 92122
U.S.A.
Telephone: (714)565-6603

7.2.3 INSTITUTE FOR SCIENTIFIC INFORMATION (ISI)

The Institute for Scientific Information (ISI), 3501 Market Street, University City Science Center, Philadelphia, PA 19104,(215)386-0100, U.S.A. (Toll-Free Number : (800)523-1850;Telex 84-5305) is among other things the publisher of the *Science Citation Index, Social Sciences Citation Abstracts, Current Contents,* and *Index to Social Sciences and Humanities Proceedings.* ISI can be approached through the following regional offices:

EUROPE (except Spain) MIDDLE EAST and AFRICA	:	ISI, 132 High Street, Uxbridge, Middx. UB8 1DP, U.K. Telephone: Uxbridge 30085. Telex: 933693.
INDIA	:	Allied Publishers Private Ltd., 150-B/6 Mount Road, Madras 600002, India. Telephone: 81844 or 85629
CANADA	:	Institute for Scientific Information, Paul Suckling, 566 Church Street, Toronto, Ontario M4Y 2E3, Canada. Telephone: (416) 922-0608
JAPAN	:	U.S. Asiatic Co. Ltd., Tsutsumi Bldg., 13-12 Shimbashi 1-chome, Minato-ku, Tokyo 105, Japan. Telephone: (03) 502-6471. or: Kinokuniya Book-Store Co.Ltd., 17-7 Shinjuku, 3-chome, Shinjuku-ku, Tokyo 160-91, Japan. Telephone: (03) 354-0131.
AUSTRALIA/ NEW ZEALAND	:	F.S. Symes Pty. Ltd., 10 Wattle Road, (P.O. Box 581), Brookvale, N.S.W. 2100, Australia. Telephone: 938-2722 or 938-2755.
LATIN AMERICA and SPAIN	:	Ing. J. Robles G., Blvd. Adolfo Lopez Mateos 263A, Apartado 19-202, Mexico 20, D.F., Mexico Telephone: (905) 651-3181
ASIA (Except INDIA)	:	Mr. Thomas Tanner, Manager, Block B, 33D Taman Serasi, Singapore 1025, Republic of Singapore.

ISI has organised a "Search Service", which executes requests from clients on the data-base of the *Social Sciences Citation Index.* It has organised the so-called OATS (Original Article Tear Sheet) Service. This is an international service that provides prompt, convenient delivery of any article that appears in any issue of nearly 7,500 scientific and technical journals.

Most OATS articles are torn direct from the source journals in which they were published, which means that they retain all the graphic advantages of halftone and colour printing. Further information can be obtained from ISI Philadelphia or from its regional offices.

Other services available from ISI are:

ASCA, a personalized, computer based current awareness service solves your special current awareness problems.

ASCA is versatile. You describe your special current awareness needs and ASCA matches your description against current issues of 5,200 journals from all disciplines. Result: multidisciplinary journal coverage provides interdisciplinary retrieval. ASCA is personalized. It tells you what papers are citing key publications of interest to you, what papers are being published by researchers on similar projects, and what papers are appearing with title words you have specified as relevant. Result: complete current awareness. ASCA is current. Items appear on your weekly reports within weeks after most journals are published. Result: notification of new literature while it is still new.

If you have any questions concerning your ASCA profile, call ISI's James Hofstaedter toll-free (in the contiguous United States) at (800) 523-1850, extension 1371. Residents of Pennsylvania, call collect 215-386-0100, extension 1371.

Minimum annual subscription price for ASCA is $115 per year, U.S. and Canada. $115 per year elsewhere. Prices vary with individual profiles. In Federal Republic of Germany, Austria and Switzerland contact: Institute for Scientific Information, GmbH, 6050 Offenbach am Main, Berliner Str.118/ Stadthof 9, Federal Republic of Germany for price and delivery information. In Japan, contact: U.S. Asiatic Co. Tsutsumi Building, 13-12 Shimbashi, 1-chome, Minato-ku, Tokyo 105, Japan or Kinokuniya Book-Store Co. Ltd., 17-7 Shinjuku, 3-chome, Shinjuku-ku, Tokyo 160-91, Japan for price and delivery information.

ASCATOPICS is the current awareness service that provides weekly reports of just those new articles on a topic of special interest to you. All you have to do is tell them which topic you want.

ASCATOPICS is more or less a collective subscription of a number of users, interested in certain subject areas and is therefore cheaper than a subscription to the personalized "tailor-made" Asca subscription. Available Ascatopic titles in the social sciences are shown overleaf.

ECONOMICS

Decision Making & Control (SO332)
Demographic Economics (SO362)
Economic Development Studies - Underdeveloped Nations (SO340)
Economics of Technological Change (SO342)
Energy Impact (SO621)
Financial Markets (SO338)
Input - Output Models (SO363)
Productivity and Growth Indicators (SO351)
Rural Economics (SO337)

POLITICAL SCIENCES

Minority Rights (SO620)
Peace Research (SO347)
Policy Sciences Studies (SO348)

SOCIAL & BEHAVIORAL SCIENCES

Abortion (SO622)
Alcoholism (SO003)
Assertion Training (SO623)
Behavioral Genetics (SO153)
Behavioral Psychology-Operant Conditioning (SO343)
Brain-Damaged Child (SO236)
Child Abuse (SO624)
Child & Infantile Psychology (SO073)
Childhood Psychosis (SO625)
Cortical Evoked Potentials (SO626)
Counseling Psychology (SO345)
Criminal Deterrence (SO627)
Demography & Population (SO269)
Depression (SO191)
Developmental Psychology (SO373)
Drug Addiction & Abuse (SO020)
Environmental Psychology (SO226)
Group Polarization (SO628)
Homosexuality (SO629)
Human Development (SO601)
Hyperactive Child-Drug Therapy (SO630)
Industrial Psychology (SO083)
Infant-Parent Relationship (SO631)
Infant Visual Discrimination (SO632)
Juvenile Delinquency & Crime (SO237)
Library & Information Science (SO002)
Lithium in Psychiatric Therapy (SO033)
Mass Communications (SO428)
Medical Malpractice (SO494)
Mental Health (SO538)
Mental Retardation (SO370)
Perception & Motor Skills (SO139)
Psychopharmacology (SO156)
Psychosomatic Diseases & Syndromes (SO172)

Reading Research (SO487)
Risk Taking (SO279)
Rural-Urban Migration (SO633)
Schizophrenia (SO408)
Senior Citizens (SO422)
Sleep (SO368)
Smoking-Dependency & Control (SO634)
Social Choice Theory (SO635)
Social Psychology (SO607)
Social Work (SO548)
Suicide (SO075)
Transportation (SO552)
Verbal Learning & Memory (SO436)
Vocational Guidance (SO604)
Women-Social Aspects (SO636)

For each of the annual ASCATOPICS ordered, the following prices apply:

Geographic zone	Basic cost of Subscription	Regular Delivery Method	Optional Delivery Method	Extra charge for Optional Delivery Method
U.S.A. Canada & Mexico	$ 100	First Class Mail	Not Offered	--
Europe (except Fed. Rep. of Germany, Austria & Switzerland)	$ 120	Air Delivery plus Surface Mail	Air Mail	Add $ 50
Japan	...	Air Delivery	Not Offered	--
Central America	$ 120	Surface Mail	Air Mail	Add $ 40
All other Countries	$ 120	Surface Mail	Air Mail	Add $ 50

The *Index to Social Sciences and Humanities Proceedings (ISSHP)* provides complete bibliographic details of 1,000 proceedings each year in the social sciences and humanities. The easy to scan *ISSHP* will offer users access to some 20,000 papers from a wide range of disciplines by indexing the complete proceedings contents page. For each year of coverage there are four quarterly soft-cover issues plus a hard-cover annual cumulation. Disciplines covered are sociology, psycholgy, literature, history, political science, education, economics, anthropology, international affairs, law, health care delivery, criminology and other subject areas in the social sciences and

humanities. An author's name... a sponsor... a general category... a meeting location... title words... or an author's organizational affiliation... lead the user to complete descriptions of proceedings contents and individual papers. Photocopies of these individual papers are available on request.

7.2.4 INFORMATION ON DEMAND

This is one of the many full service information companies, providing on-line literature searching using SDC, DIALOG, NY Times, Technotec, Medline, and others, manual searching, and market surveys at $25 per hour plus costs. Document delivery services include fast retrieval of journal articles, government reports, specifications, patents, annual reports, 10K's, competitors' brochures from $4.50 + .15 per page.
Mail: P.O. Box 4536, Berkeley, CA 94704, U.S.A. Telephone: (415)841-1145.

7.3 SUBSCRIPTION

An advanced method of using computerized information is to subscribe to standing selective dissemination of information (SDI) services, tailor-made for an individual and/or an organization, for example, the Asca system of the Institute for Scientific Information; or on a more collective base together with others (therefore cheaper), for example, the Ascatopics system, described above.

It should be understood that a certain amount of 'noise' is always inherent in the (cheaper) collective approaches, such as Ascatopics; while in the tailor-made SDI-services this can be reduced to an acceptable minimum through consultations with service personnel.

Further information can be obtained from:

Lockheed Information Retrieval Service
1756 Westwood Blvd.
Los Angeles,Calif. 90024
U.S.A.

Users in Europe can contact Lockheed Information Retrieval Service, c/o Learned Information (Europe) Ltd., Woodside House, Hinksey Hill, Oxford OX1 5BP, U.K. Telephone:(865) 730-275. Contact: Gordon Pratt.

Or from:

System Development Corporation
2500 Colorado Avenue
Santa Monica, Calif. 90406
U.S.A.

Users in Europe can contact SDC Search Service, 5 Lancaster Place, First Floor South, Brettenham House, London WC2E 7EN, U.K. Telephone: (01)863-0355. Contact: Nancy Vaupel or Paul Ashton.

7.4. TAPE PURCHASE OR HIRE

Another method of gaining access to information is to buy or hire copies of tapes from the producing institutions. These are then used locally by other computer centres which, in turn, provide access facilities for a local or regional customer group.

Many of the organizations mentioned above use this approach as do the following centres: *Australian Council for Educational Research,* Frederick Street, Hawthorn, Canberra, Australia; *National Library of Australia,* Canberra, Australia; *Centre National de Documentation Scientifique et Technique (CNDST),* Brussels, Belgium; *Center for Scientific and Technological Information,* Tel Aviv, Israel; *Center for Scientific, Technical and Economic Information,* Warsaw, Poland; *Max Planck Gesellschaft,* Martinsried bei München, Federal Republic of Germany; *Instituto Bibliografico Hispanica,* Madrid, Spain; *National Library,* Ottawa, Canada; *Royal Institute of Technology,* Stockholm, Sweden; *South African Council for Scientific and Industrial Research,* Pretoria, South-Africa; *Universidad Nacional Autonoma de Mexico,D.E.*
It is also in this way, that the ILO-LABORDOC-file became available through SDC and that several CNRS-files are accessible through DIALOG.
The above organizations are given as an illustration only. Further information can be found in the publications mentioned under Section 7.1.

7.5 ON-LINE INFORMATION RETRIEVAL

The most advanced method of information retrieval available at present is the hiring of a terminal connected by telephone lines to existing data bases. These systems can be regional, national or intercontinental (via sea-cable or satellite), and are often operated in relation with time-sharing networks such as ESRO, Cegos-Tymshare and Tele-Net. They usually tap from a number of bases and are often available for use through a commercial, information selling institution.

Put simply, an on-line information retrieval system is one in which a user can, via computer, interrogate direct a machine-readable data base of document representations. *In an on-line system there is two-way communication between the computer and the user* by way of input/output devices such as a teletypewriter or cathode ray tube display connected to the computer by some communication channel, *which may be a regular telephone line.*

Effectively, this means that such systems can be used *anywhere in the world where a normal telephone is available* to the user and provided a terminal is available to be connected with the information-providing computer through this telephone.

Although an on-line system may be operated in a dedicated mode, it is more often implemented in a time-shared environment. The term *time sharing* has been defined in various ways. Fundamentally, it implies the use of the computer in a way that its processing time is shared between two or more completely independent activities. A time-shared system thus allows different users to have simultaneous access to the computer. An on-line, time-shared system will operate via a number of independent, concurrently usable terminals,

and will give each terminal user processing time when he needs it. This creates the illusion generally that he is the sole user of the computer facilities.

A good introduction to the procedure is given in a book (from which some of the above information was taken) by Lancaster, F.W., and Fayen, E.G., *Information Retrieval On-line*. Melville Publishing Company, Los Angeles, California, 1973. Pp. 597. See further, section 7.1.

All users of ERIC-*RIE* and *CIJE*, but particularly those who use computerized services of any kind, are strongly advised to have their names put on the mailing-list for the loose-leaf journal *Interchange*. This publication aims to maintain a close liaison between users and producers of ERIC and keeps one continually up to date. *Interchange* is prepared by the staff of the ERIC Processing and Reference Facility, 4833 Rugby Ave., Suite 303, Bethesda, Maryland 20014, U.S.A.; and is operated on contract by ORI, Inc., Information Systems Division, for the National Institute of Education (NIE). All enquiries, correspondence, and contributions should be sent to the Editor of *Interchange* at the above address, or made by telephone: (301)656-9723.

The world's two main information sellers are Lockheed Information Retrieval Service and the System Development Corporation:

1) LOCKHEED INFORMATION RETRIEVAL SERVICE (DIALOG)
1756 Westwood Blvd., Los Angeles, Calif. 90024, (213)829-5090; 3460 Hillview Ave., Palo Alto, CA 94304. In the U.S.A., call toll-free (800) 227-1960; in California, (800) 982-5838. Suite 33E, 200 Park Ave., New York, N.Y. 10007, (212) 682-4630; and 900 17th St., N.W., Washington, D.C. 20006, (202)872-5971.

For Europe:

LOCKHEED INFORMATION RETRIEVAL SERVICE,
c/o Learned Information (Europe) Ltd.,
Woodside House, Hinksey Hill, Oxford OX1 5BP,
England, telephone: 865 730 275, contact:
Gordon Pratt.

Lockheed's data base includes tapes of all education files, *Resources in Education (RIE), Current Index to Journals in Education (CIJE) and Exceptional Child Education Abstracts;* of Instructional and Research Materials (AIM/ARM), the now discontinued *Current Projects in Education and Field Reader Catalog, Psychological Abstracts,* National Technical Information Service (NTIS), *Social Sciences Citation Index;* and a substantial number of business, agricultural, scientific, medical, technical and private data bases.

On-line service prices vary, depending on the number of hours, distance from the computer and type of terminal. The ERIC computer charge per hour is

US$25 for most data bases, with an additional charge of US$.10 per item for off-line printing. Contracts are now available with no minimum hour requirements. *Services are available to organizations only; searches by individuals are not available through Lockheed.*

Lockheed recently introduced the so-called *Dial Order* service. Copies of every item in all data bases accessible through "Lockheed Dialog" can be ordered on-line. The Dial Order service is not limited to the contents of these data bases however, but accepts orders for almost any document wanted. The Service contacts the right suppliers of the document wanted and the customers are directly billed by these suppliers. For precise information on this new service call or write to:

LOCKHEED INFORMATION SYSTEMS
Dept. 50-20DB 3460 Hillview Ave.
Palo Alto, CA 94304. In the U.S.A.
call toll-free (800)227-1960; in
California (800)982-5838.

2) SYSTEM DEVELOPMENT CORPORATION (ORBIT)
2500 Colorado Avenue, Santa Monica,
Calif. 90406, (213) 829-7511; 7529 Westpark
Dr., McLean, Va 22101, (703) 790-9850.

For Europe:
SDC SEARCH SERVICE, 5 Lancaster Place,
First Floor South, Brettenham House,
London WC2E 7EN, U.K. telephone:
(01)836 0355, contact: Nancy Vaupel or
Paul Ashton.

The bibliographic search service of this experienced information retrieval group offers the *SDC-developed ORBIT system* for searching sixteen data bases currently, including the ERIC tapes, as well as a variety of other data bases in the natural and social sciences.

If the user has a terminal (most commercial terminals are compatible with this system) and an acoustic coupler for telephone hook-up, access to the system can be made on a time-sharing basis.

The rates for use vary from data base to data base, but the user pays only for what is used, with the first two hours of computer time free of charge. Since the system is congruent with standard library searching procedures, it is relatively easy to master for anyone who is familiar with a typewriter and research methods. SDC Search Service, available at both of the above locations, can provide you with additional information.

Users of the ORBIT system *(only)* have recently been allowed to make use of the service *ORDER ERIC*. This means that any *ERIC ED document* can be ordered in microfiche and/or hard copy by transmitting the order over the terminal. Orders placed through the ORBIT system are computer processed and are despatched by mail within forty-eight hours. Every terminal operator transmitting through ORBIT, *irrespective of his geographical location,* can provide the precise technical details of this high speed procedure.

Never forget that a search which is made using on-line service should be delegated to an information specialist. The patron of the information service is usually unable to conduct his own searches. Delegation, unfortunately, introduces problems: the user may have difficulty in descrbing what he seeks, and the search analyst may misinterpret the user's requirements. Such problems occur in all delegated search systems.

The degree of experience which a terminal operator has with the different data bases plays an important role in reducing 'noise', other than the technical and atmospheric influences in long distance (cable or satellite) connections. However, given the vast quantity of information in education and related fields, computerization has become a necessity, rather than a luxury.

These developments and experiences seem to prove the theory of the Dutch historian, Professor Romein, that the disadvantage of backwardness can be turned into an advantage when, at the start of new activities, one makes a systematic use of more efficient, economic approaches. In influencing developing countries, or new activities being initiated elsewhere, on educational information, it would be wise to consider this viewpoint.

7.5.1 SOME FURTHER INTERESTING DATABASES ACCESSIBLE "ON-LINE"

Tables III and IV (pages 82 and 83) in Hall's "On-line bibliographic databases, 1979 directory" (see section 7.1) provide a very useful overview of available data-bases for on-line searching. Together with Martha Williams' *Directory and Data Sourcebook* and the *LUCIS-guide,* the eventually wanted data-bases can easily be selected. Below are described some data-bases of particular interest to the educational researcher and/or practitioner.

7.5.1.1 The Foundation Center

The Foundation Center is an educational corporation chartered in 1956 by the Board of Regents of the University of the State of New York, U.S.A. It is an independent non-profit organization, governed by its own board of trustees, and dedicated to the gathering, analysis, and dissemination of factual information on philantropic foundations. The Center publishes the *Foundation Directory* and other reference works, including those described below.

The bimonthly *Foundation Grants Index* is compiled and photo-composed by the Center, and is printed in *Foundation News,* by arrangement with the Council on Foundations, Inc. The bimonthly *Index* is a current awareness service and generally includes only recent grants of US$5,000 or more.

At the end of each calendar year, grant records in the bimonthly *Index*, together with others prepared from annual reports, press releases, or other primary sources are cumulated and published in the annual *Grants Index* volume.

All of the grants published in the bimonthly and the annual *Index* are entered in a computer file. Specialized computer listings in a variety of formats based on a file of approximately 90,000 grants are available through the Cen-

ter's Associates Program, or by individuals who access data files through the Lockheed DIALOG system. Subject listings of grants from this file are available for sale to the general public in paper or microfiche form as COM-SEARCH Printouts. More than sixty broad subject categories are covered. To obtain further information, write to:

Thomas R. Buckman, President
The Foundation Center
888 Seventh Avenue
New York, N.Y. 10019
U.S.A.

7.5.1.2 PsycINFO

The Psychological Abstracts Information Service *(PsycINFO)* data base service of the American Psychological Association, consists of references and abstracts published in the monthly journal *Psychological Abstracts* from 1967 to date. PsycINFO provides a series of interrelated services. On-line search facilities are provided by PADAT (Psychological Abstracts Direct Access Terminal) which is available through various data base distributors including Lockheed - from 1967 to date.

Magnetic tapes of the PsycINFO data base are available from PsycINFO via the PATELL (Psychological Abstracts Tape Edition Lease or Licensing) service. Retrospective searching is available using PASAR (Psychological Abstracts Search and Retrieval), each search being tailored to the needs of the individual. A Thesaurus of Psychological Index terms, hierarchically structured, with a vocabulary of 4,000 terms, has been developed by PsycINFO. In addition 16 other journals are published.

PsycINFO includes 900 journals and selected books, technical reports, dissertations and monographs; twenty-four percent of the input covers foreign language material. All journal articles, monographs and reports are abstracted and annotated, or only cited according to their relevance to social and behavioral sciences. The PsycINFO file is increasing at a rate of approximately 25,000-35,000 records per year.

The PASAR *retrospective search service* operates on an individually tailored profile basis. Requests are submitted to PsycINFO and results are on computer print-out which can be arranged aphabetically according to author or else chronologically. PASAR requests are processed in two to three weeks.

For further information contact:

PSYCHOLOGICAL ABSTRACTS INFORMATION SERVICES
1200 Seventeenth Street N.W.
Washington D.C. 20036, U.S.A.
Telephone: PsycINFO Action Line
(800)336-4980
In Virginia call (202)833-5908.

7.5.1.3 Commonwealth Agricultural Bureaux Abstracts (CAB-Abstracts)

The Commonwealth Agricultural Bureaux is the publisher of a series of abstract journals, among which the *Rural Development Abstracts* and the *Rural Extension, Education and Training Abstracts* are of especial interest to educational practitioners, particularly in developing (rural) areas. The CAB System is continually being developed and arrangements may be made for the production of non-CAB abstract journals. In due course CAB may provide SDI and other retrieval services, including on-line service if required, as well as new abstract journals produced by repackaging the data base.
The CAB-data base is searchable on-line on CAB-Abstracts, Lockheed-DIALOG and SDC-ORBIT.
The Commonwealth Bureau of Agricultural Economics, Dartington House, Little Clarendon Street, Oxford, OX1 2HH, U.K., provides photocopies of articles appearing in the Abstract journals. Requests should state the Abstract number, the Volume-number of the Abstract journal and a statement that the photocopy is required for the purposes of research or private study. The price is 10p per page for delivery in the U.K. or 12p per page elsewhere, inclusive of delivery by air; subject to a minimum charge of £1.00 for *each* article of which a photocopy is supplied.
For further information contact:

Commonwealth Agricultural Bureaux
Farnham House, Farnham Royal
Slough SL2 3BN
U.K.
Telephone: Farnham Royal 2281

7.5.1.4 National Information Center for Educational Media (NICEM)

The world's largest educational media centre is the National Information Center for Educational Media (NICEM), University of Southern California, University Park, Los Angeles, California 90007, U.S.A., Publisher of the periodical: *Update of Non-book Media.* A subscription service is published four times annually which updates and supplements all previous NICEM indices. Each edition provides information on 3,000 - 4,000 entries. Further publications: *Index to Educational Audio Tapes; Index to Educational Overhead Transparencies; Index to Educational Records; Index to Educational Slides; Index to 8mm Motion Cartridges; Index to 35mm Filmstrips; Index to 16mm Educational Films; Index to Ecology - Multimedia; Index to Health and Safety Education - Multimedia; Index to Vocational and Technical Education - Multimedia; Index to Psychology - Multimedia; Index to Educational Video Tapes,* etc.
The Indexes are elaborated thoroughly for practical use. The audience levels in the *Index to Psychology - Multimedia,* for example, are as follows:

K -Pre-school to Kindergarten
P -Primary
I -Intermediate (4-6)
J -Junior High School (7-9)
H -High School (10-12)
C -Junior College, College, and University

T -Teacher Education (Designed for training teachers)
A -Adult education and general use
S -Special Education (Designed for special audiences such as physically handicapped, mentally retarded, and gifted)
R -Religious (Designed to project a religious message, moral, or philosophy)
PRO -Professional Use (Designed for such groups as medicine, dentistry, and law)
IND -Industrial Use (Designed for use in industrial training)

The *Subject Heading Outline* represents those headings used in selecting titles for instruction. In the *Subject Guide* the user will find titles filed under each heading by media. For example, under the heading *Values* all Filmstrip titles will appear in alphabetical order followed by 8mm Motion Cartridges, 16mm Films, Videotapes, Records, Audio Tapes, Transparencies and Slides. Series titles are also listed in this section. Only the latest edition of the title is listed; however, earlier issues may be found in the *Alphabetical Guide*. The alpha letters within the parentheses following each title are an indication of the recommended audience level or grade level. The alpha character code to the far right of the title is the distributor code which may be interpreted by going to the *Directory of Producers and Distributors* at the back of the book.
Producers and/or distributors of films, filmstrips, transparencies, and slidesets are invited to submit new nonbook media production information on the Library of Congress-NICEM *Master Input Form*. These input forms are available from the Library of Congress, Processing Department, Descriptive Cataloging Division, Washington, D.C.20540. All other nonbook media information should be submitted directly to NICEM, University of Southern California, Los Angeles, California 90007, U.S.A.

The NICEM-Data base recently became available on-line through Lockheed-DIALOG. Person to contact regarding information about data base: Dr. M. Thomas Risner. The Centre provides institutions with a complete production of custom catalogues on book, tape, or microfiche copy. Also special subject indexes for nonbook educational materials.

7.5.1.5 Environment Information Center Inc. (EIC)

The Environment Information Center (EIC) is an independent research and publishing organisation that provides information, reference and retrieval services covering all aspects of the environment.

'All aspects of the environment' include:energy, resources, pollution, land use, food and drugs, wildlife, population and also aspects of planning, management, technology, law, economics and political science where they relate to environmental issues.

Over 5,000 information sources are covered including journals, monographs, government documents, industrial reports, conference proceedings, newspaper articles and films; also rulings from the Daily Federal Register and selected U.S. patents. Approximately 1,000 items are added monthly.

The EIC data base is available for on-line searching as two separate sections:

ENERGYLINE: This section of the data base covers information on environmental aspects of energy and is the computerised counterpart of the journal *Energy Information Abstracts* which contains abstracts of information from 1975. References only to information from 1971-74, as published in EIC's *Energy Index*, are also included in the Energyline data base. Energyline is available on-line via System Development Corporation, using the ORBIT system.

ENVIROLINE: This section corresponds to the published *Environment Abstracts* and covers information from 1971. Enviroline is available for on-line searching via Lockheed using the DIALOG system. Abstracts are included from 1975.

HARDCOPY OR MICROFICHE: Note that due to copyright restrictions, only those documents available on microfiche will be initially available for retrieval. Specify either hard copy or convenient microfiche. To simplify ordering they require to establish a deposit account for $50, or prepay individual orders. For details on how to open a retrieval deposit account, call or write:

EIC - Environment Information Centre, Inc.
Department OL
292 Madison Avenue
New York, N.Y. 10017, U.S.A.
Telephone: (212)949-9494

7.5.1.6 American Chemical Society: Chemical Abstracts Service (CAS)

Chemical Abstracts Service (CAS) is a Division of the American Chemical Society. CAS is international in scope with part-time abstractors from seventy different countries. The principal CAS production is *Chemical Abstracts (CA)* and its volume indexes. Additional CAS services and publications are mostly produced by means of the computerised processing system which is used to produce *Chemical Abstracts*. All aspects of chemistry including chemical engineering, applied chemistry and biochemistry also chemical aspects of biology and medicine are covered. Approximately 14,000 journals also patents issued by twenty-six different countries, reports, dissertations, conference proceedings and any new book announcements. Input is also received from licensed CAS centres. Fifty per cent of the U.K. input is prepared by the United Kingdom Chemical Information Service (UKCIS) in machine-readable form. Approximately 450,000 items are added to the CAS files annually.

Chemical Abstracts Subject Index Alert (CASIA) - contains parts of the computer file of volume index entries being processed for the chemical substance and general subject indexes in CA. The file contains only accession numbers and it must be used together with CA or CA Con. The file is issued biweekly and is intended for current awareness.

For further information, write or call the Marketing Department at the address/ number below:

Chemical Abstracts Service (CAS)
Ohio State University, Box 3012,
Columbus,
Ohio 43210, U.S.A.
Telephone: (614) 421-6940

U.K. Centre
United Kingdom Chemical Information Service (UKCIS)
The University
Nottingham NG7 2RD U.K.
Telephone: Nottingham 57411/5

Chemical Abstracts Service began in November 1979 its new *Library Document Copy Service*, which is a library-to-library service only. Individuals using the service must request copies through a qualifying library. Qualification includes that the library be open to the public or be accessible to other researchers outside the institution; that copies are not a substitute for subscription or purchase; that copies are intended solely for its use; and that requests are in compliance with the Copyright Act of 1976. CAS will attempt to fill orders within twenty-four hours and delivery will be by first class mail in the U.S., Canada, and Mexico, and air mail to all other countries. Coupons priced at $5.00 each will be good for a document up to twenty-five pages.

7.5.1.7 Congressional Information Service (CIS)

The Congressional Information Service, Inc. is publisher of several reference journals:

CIS Index - monthly with quarterly cumulations.
CIS Annual - a two-volume cumulation of *CIS Index*.
CIS Highlights - a monthly current awareness newsletter, containing references to items prior to their publication in *CIS Index*.
American Statistics Index - monthly with quarterly cumulated indexes.
American Statistics Annual - a two-volume cumulation of current coverage together with significant items from the previous ten years.

CIS Index is an index to the publications of the U.S. Congress. The system began in 1969 and the data base may be searched on-line via SDC. The companion file to CIS Index is the *American Statistics Index* which is also published by the Congressional Information Service. Together these indexes provide a detailed index and lengthy abstracts of every significant publication issued by nearly 300 House, Senate and Joint Committees and Subcommittees of Congress. Almost every topic of interest to the United States in formulating legislation is covered: U.S. society, economy, industry, technology, education, health, welfare and defense and furthermore all statistical publications. Abstracts are given for each item.

Both data bases incorporate extensive subject, name, and title indexing with detailed bibliographic cataloguing. In addition, you can call up abstracts that concisely outline and describe the contents of source publications. This feature is particularly helpful whether you are performing an in-depth, multi-faceted search or are seeking a simple answer to a "quick reference" question.

Copies of these publications - even if unavailable from the government - are readily available from CIS on demand, simply by placing an order through the terminal. For complete details, contact:

CIS-Online Coordinator,
7101 Wisconsin Avenue, Suite 900L,
Washington, D.C. 20014, U.S.A.
Telephone:(301)654-1550

8. MISCELLANEA

8.1 DOCUMENT DELIVERY SERVICES

Users of information who wish to obtain a photocopy or microform of an original document which is unavailable at their nearest library can make use of several large-scale specialist organisations in this field. Some of the most relevant ones are shown below.

Boston Spa has over 43,000 current periodicals, including most of the journals covered by the INSPEC Retrieval System. Requests are dealt with within forty-eight hours. To obtain copies from the British Library Lending Division (BLLD) you must buy order coupons in advance. A book of twenty coupons costs £20, from BLLD (Photocopy Dept.). The charge for one to ten pages is one coupon, for eleven to twenty pages two coupons, and so on. Write for further details to:

The Director General of the British Library Lending Division
Boston Spa, Wetherby
Yorkshire LS23 7BQ, U.K.

Information on Demand provides photocopies of journal articles, documents, symposia papers, mil-specs. etc. for its customers with a forty-eight hour turn-around time. It currently has access to the collections on the U.S. campuses at Berkeley, San Francisco, Davis and Los Angeles. (See section 7.2.4.).

The "Information Clearinghouse *FIND/S.V.P.*" is specialised in quick retrieval of journal articles, government publications etc. at a cost of from $4.50 per article plus photocopy and royalty charges. Deposit accounts and other payment plans are available.

For further details, write or telephone:

FIND, *The Information Clearinghouse*
500 Fifth Avenue,
New York, N.Y. 10036, U.S.A.
(212)354-2424

The Information Store, 235 Montgomery St., Suite 800, San Francisco, CA 94104, U.S.A. Telephone: (415)421-9376, provides similar services as "FIND-S.V.P." and accepts orders by phone, mail, telefacsimile or cable.

8.2 SOME USEFUL SOURCE BOOKS ON MICROCOPYING AND MICROPUBLISHING

Directory of Library Reprographic Services/ A World Guide. Edited by J.Z. Nitecki. This directory provides the reader with current information about the copying and duplicating facilities available at the time of compilation. It is divided into four sections. The first lists all participating libraries, together with information about their services, and the second lists the corresponding addresses. The last sections, an added feature in the new edition, list additional information on reprographic policies and services, including a selected bibliography. The Directory is published by:

The Harvester Press Ltd.
2 Stanford Terrace
HASSOCKS (Brighton),
Sussex, U.K.

NTIS Books in Print: The data base of the National Technical Information Service of the United States Department of Commerce contains more than 1,000,000 individual scientific and technical document titles, all of which are available for sale on demand in paper or microfiche editions. The number is growing at some 7,000 titles each month.

Access to this rapidly growing authoritative data base has, until now, been through an extensive series of printed annual indexes, dating back to 1968; there is no consolidated title or subject file, so it is necessary to search each annual index individually.

Now NTIS has produced the first experimental edition of *NTIS Books in Print,* a COM-generated index in three sections, on 48X microfiche. The first section is a KWOC title index, the second is an accession/report number index, and the third is an author index. There will be two versions produced by NTIS - one to cover the period 1964 through 1977. This can be reviewed as a retrospective file which will not be updated. The second product will be a cumulative file beginning in 1978. This file will have updates (probably quarterly) for some number of years. NTIS has produced a special version (January-August 1977) for test and evaluation purposes by the NTIS staff and a few selected individual users including overseas agents and the British Library Lending Division. This file contains almost 300 microfiche.

It is published by:

NTIS U.K. Service Centre
P.O. Box 3
ALTON, Hants., GU34 1EF, U.K.

New International Master File of AV Programme Catalogues: The Videofilm Centre of London announces a new service for users of audio-visual education, training and entertainment programmes. Under the name, *The International Master File of AV Programme Catalogues,* the Centre will photoreproduce in full all the information literature annually published by more than 200 audio-visual producers from the U.K., U.S.A. and Canada.

Athough upwards of 4,000 pages of material and more than 15,000 titles are involved, the Master File will be contained in a single binder weighing less than five pounds - thanks to the use throughout of standard 105X 148mm microfiche. All audio-visual programme formats are included: film, video, film strips and slides. An index of all titles cross-indexed by subject area is included, as well as year-long updates and details of new releases.

The cost for twelve month service in the U.K. and U.S. is $300 (£175); for elsewhere it is (airmail) $360 (£210).

Not included is the necessary microfiche reader; however, three year subscriptions to the Master File include a free microfiche reader. The Master File is published by:

The Video Centre,
14 Broadway,
LONDON, SW1H OBH, U.K.

U.S. Army Area Handbooks: one hundred and ten in number, are also published. These area handbooks are studies of a country's history, geography, ethnic groups, religions, political systems, foreign relations, trade, agriculture, and economic structure. The handbooks describe society as a coherent, dynamic system of relationships, placing emphasis on contemporary society while seeking understanding of past trends and future possibilities. Optimum use is made of figures and tables for presentation of maps and statistical material. All have comprehensive bibliographies. The collection consists of approximately 50,000 pages on 24- 4X6 diazo or silver halide microfiche. Published by:

Updata Publications Inc.,
1756 Westwood Blvd.,
LOS ANGELES, Calif. 90024, U.S.A.

Information Microforms Systems: Professor Fredrick M. Litto from the University of São Paulo has established an organisation for the publishing of university theses in Brazil. IMS (Information Microforms Systems) is the first organisation in Brazil for dissertations published in microform. It has presently four hundred theses on 35mm roll film.

IMS is also compiling prospectuses and information publications from Brazilian universities on microfiche, to be published individually and in group collections. Published by:

IMS-Informacoes, Microformas
e Sistemas SA, Mr. F. Litto,
Al. Joaquim Eugenio de Lima 1409
01403 SAO PAULO, Brazil.

The *Guide to Microforms in Print* is a cumulative annual listing of microform titles, comprising books, journals, newspapers, government publications, archival material, collections and other projects, etc., which are currently available from micropublishing organisations throughout the world. The purpose of the *Guide to Microforms in Print* is to serve as a means of bibliographic control for international micropublications. Listings, therefore, include pertinent purchasing information, consisting of author, title, volume, date, price, publisher and type of microform. Microform titles, with the exception of theses and dissertations, are listed provided that they are offered for sale on a regular and current basis. Micropublications are entered in the *Guide to Microforms in Print* in alphabetic sequence by author-title. These same titles are listed under appropriate subject classifications in the companion volume, *Subject Guide to Microforms in Print*.

Listings in the *Guide to Microforms in Print* are entered in alphabetic sequence according to author-title. These follow Library of Congress and Anglo-American cataloguing rules. Functional cross references have been utilized to facilitate title searching. Published by:

Microform Review Inc.,
520 Riverside Ave.,
P.O.Box 405 Saugatuck Station,
Westport, CT 06880, U.SA.

Available outside North and South America from:

Mansell Information/Publishing Limited,
3 Bloomsbury Place,
London WC1A 2QA, U.K.

As with out-of-print materials, University Microfilms in Ann Arbor Michigan is one of the largest suppliers of back-issue periodicals. The reader is referred to *Serials in Microform* , in Section 1 of this paper.

8.3 The CLEARING HOUSE ON DEVELOPMENT COMMUNICATION (CDC).

The *Clearing House on Development Communication (CDC)* serves as an international center for materials and informtion on important developments in the applications of communication technology to development problems. The Clearing House (formerly the Informtion Center on Instructional Technology) receives support from the Development Support Bureau of the Agency for International Development. The following services are being provided:

A quarterly newsletter, *Development Communication Report*, is distributed worldwide to policy officials and communications specialists interested in the most recent development activities around the world that utilize the communications media (available free of charge, on request).

A series of *Project Profiles* is being produced to increase access to knowledge about existing projects in the developing world which other countries may wish to consider for adaptation to their own problems. The *Project Profiles* cover the fields of agriculture, nutrition, population, health, education and human resources and integrated development. They are available in French, Spanish and Arabic.

A series of *information bulletins* is published to treat in more depth, usually on a comparative basis, the applications of communications media to major sectoral and multi-sectoral development problems.

The CDC has a specialized collection of print and non-print materials that span the spectrum of technology and can serve a multiplicity of educational needs.Outstanding features of the library are a selection of country-specific materials on education, unpublished research and reports rarely found in other libraries or noted in most bibliographies. New materials on communications are being added constantly to the collection.

An extensive file of organizations with services, products and ongoing programs applying communications to development problems is maintained by the CDC. The resource file enables the staff to suggest suitable on-site visits and organizations for additional service. The Clearing-house is part of a developing educational network of world-wide resource services promoting the dissemination and exchange of information on instructional technology.
A partial overview of the collection's organization is given below:

Media
- audio/visual aids
- films
- television
- radio
- computers
- satellites

Functional approaches
- adult education
- non-formal education
- formal school use
- teacher training
- programmed instruction
- instructional design
- networks
- systems analysis
- costs
- research and evaluation

Geographic Areas
- by region: Africa, Asia and Latin America
- by individual countries

Non-print materials
- films
- audio and video-tapes

The collection has in-depth country material on:

educational television - India, American Samoa, Colombia, Mexico, Ethiopia, Niger, El Salvador;
communications satellites;
rural radio programmes and schools - Colombia, India, Zaire, Guatemala;
educational films - Brazil, Saudi Arabia, Ghana, Australia;
educational radio - Kenya, Mexico, Tanzania;
videotapes - American Samoa and El Salvador;
filmstrips - India, Malaysia, New Zealand.

Clearinghouse on
Development Communication
1414 22nd Street, N.W.
Washington, D.C. 20037, U.S.A.
Telephone: (202)862-1900
Cable: ACADED
Contact: Jill Merrick, Director

8.4 SOCIAL RESEARCH METHODOLOGY DOCUMENTATION CENTRE

The SRM-Documentation Centre provides specialized information on the literature in the field of methods and techniques of empirical social research, which opens up the relevant literature for hundreds of specific terms, not only as far as the titles of publications are concerned, but for the contents of publications as well. Regular news on social research methodology publications appears in two types of bulletins; a subscription to the bulletins includes both types.

SRM-Bibliography: highly current bibliographic quarterly, which informs you about recent published literature with a minimum of delay; as a quick service the new titles are presented in one of the 318 available categories.

SRM-Abstracts: effectively indexed annual review of abstracts, which will give you access to the contents of publications; for over 1500 standardized terms it is possible to check the treatment of subjects in the literature. In the light of the *broad coverage* of the area the bulletins together are the easiest and surest way to keep up to date with developments.

SRM-Thesaurus: introduces a classified vocabulary of standardized terms; firstly, this is to say that all terms referring to aspects of the methods and techniques are divided into standardized terms and other terms which refer to these standardized terms; secondly, all standardized terms are cross-referenced in accordance with the logical relationship between the terms, including broader and narrower terms; thirdly, the standardized terms are systematically grouped into subdivisions of the twelve main categories of the classification scheme.

Categories included are for instance methodology of the social sciences, data collection techniques and sampling, measurement and statistical analysis, organization of research, etc.

(Thesaurus of Sociological Research Terminology/Caspar van de Merwe; in collaboration with A.M. de Jong and J.M.P. Knapen.
Rotterdam: University Press, 1974; Rotterdam: SRM-Documentation Centre, Erasmus University, cop. 1979- x 471 p; 16 x 23 cm).

SRM-SPECIAL SERVICE

Personalized retrospective searches are possible on special request; either an incidental or a more regular service can be used: both services are conducted on a fee basis of Dfl. 60,-/US$ approx. 27,00 per hour; the fee covers searching, listing and mailing; ask for further details about prices, which depend on the number and the combinations of terms to be applied in your search.

SRM-Search Service: incidental requests for a search may concern any topic on which you are looking for literature; in case the request is not specified in terms of the Thesaurus the minimum fee is for two hours; you can contract for the minimum search or for a more extensive search.

SRM-Alert Service: regular mailing of new information on recent published literature for specific terms is also possible; the minimum contract is for a monthly mailing, until cancellation, on the basis of a one-hour search.

Prices: Personal subscription to SRM-Abstracts/SRM-Bibliography, annual rate of Dfl. 190.-/US$ approx. 90.00. Institutional subscription(s) to SRM-Abstracts /SRM-Bibliography, annual rate of Dfl. 425,-/US$ approx. 195.00. SRM-Thesaurus: Dfl. 75,-/US$ approx. 35.00. New subscribers will receive a free copy of the SRM-Thesaurus. Further information obtainable from:

SRM-Documentation Centre
Erasmus University Rotterdam
Department of Sociology
P.O. Box 1738
3000 DR Rotterdam
Netherlands

CURRENT LIST OF BERNARD VAN LEER FOUNDATION PUBLICATIONS

PERIODICAL
Quarterly Newsletter

BIBLIOGRAPHIES
Compensatory Early Childhood Education: a Selective Working Bibliography. The Hague, 1971. Pp. 35. On microfiche only.
Parent Involvement in Early Childhood Education: Selected Titles. The Hague, 1967. Pp. 96.
Evaluation Studies on Early Childhood Education Programmes: Selected Titles. The Hague, 1977. Pp. 128.
Bi-lingual Learning in Multi-racial Societies: Selected Titles. The Hague, 1978. Pp. 321.
Distance Education: Selected Titles. The Hague, 1979. Pp. 283.

SEMINAR REPORTS
Early Childhood Education in the Caribbean: A Seminar Report. The Hague, 1972. Pp. 56. (on microfiche only.)
Early Childhood Education in Jamaica: A Project Monograph. The Hague, 1972. Pp. 47. (on microfiche only.)
Curriculum in Early Childhood Education: A Seminar Report. The Hague, 1974. Pp. 172.
Innovation in Early Childhood Education: Report of the Second Caribbean Seminar. The Hague, 1974. Pp. 115.
Sustainability of Change in Education: Report on the First Eastern Hemisphere Seminar on Early Childhood Education. The Hague, 1978. Pp. 156.
Parent and Community Involvement in Early Childhood Education. Summary Report and Conclusions. Third Western Hemisphere Seminar. The Hague 1979. Pp. 37.

MONOGRAPHS AVAILABLE FROM THE PUBLISHERS:

MACMILLAN
Educating Africa's Youth for Rural Development, Archibald Callaway. The Hague, 1974. Pp. 95.
The Serowe Brigades: Alternative Education in Botswana, Patrick van Rensburg. London, Macmillan, 1978. Pp. vi + 74.

MUUSSES
Kan het u wat schelen...Op weg naar een totaal kindercentrum, Rudie Kagie en Pieter Elbers. Purmerend, Muusses, 1978. Pp. 111.

PERGAMON
A Mole Cricket Called Servol, Gerald Pantin. Oxford, Pergamon Press, 1979. Pp. xiv + 157.
Rutland Street, Séamas Holland. Oxford, Pergamon Press, 1979. Pp. xv + 112.
Improving Education for Disadvantaged Children, Some Belgian Studies. Oxford, Pergamon Press, 1979. Pp. xvii + 195.

A full list of project monographs available from the projects themselves is obtainable from the Foundation on request.